

Japan's Experience for DRR & Linking DRR to Sustainable Development by DR²AD Model

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Why Japan can dedicates on DRR

- Japan is the most natural hazardous country in the world.
- In the same time, one of the most technology oriented developed country.
- How Japan coexists or conquere
Disaster & Development

Japan case

- More than 50% of population, living in the flood plain
- More than 75% of whole asset located in the flood plain
- Without any structure measures, Japan can not survive
- How to prepare excess flood or earthquake

History of flood control in Tone River basin (400years ago)

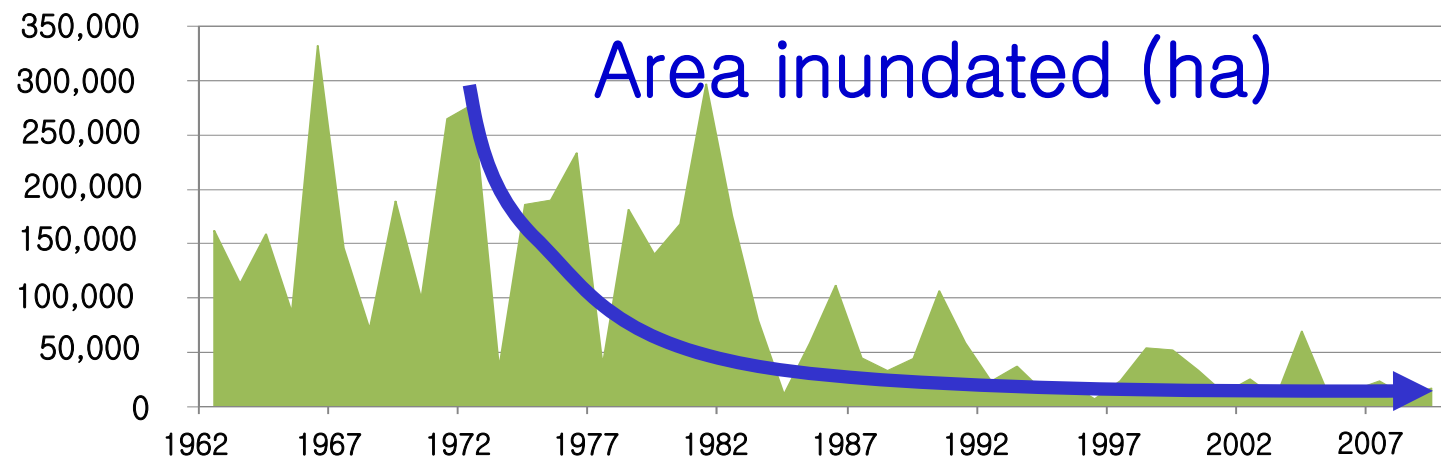
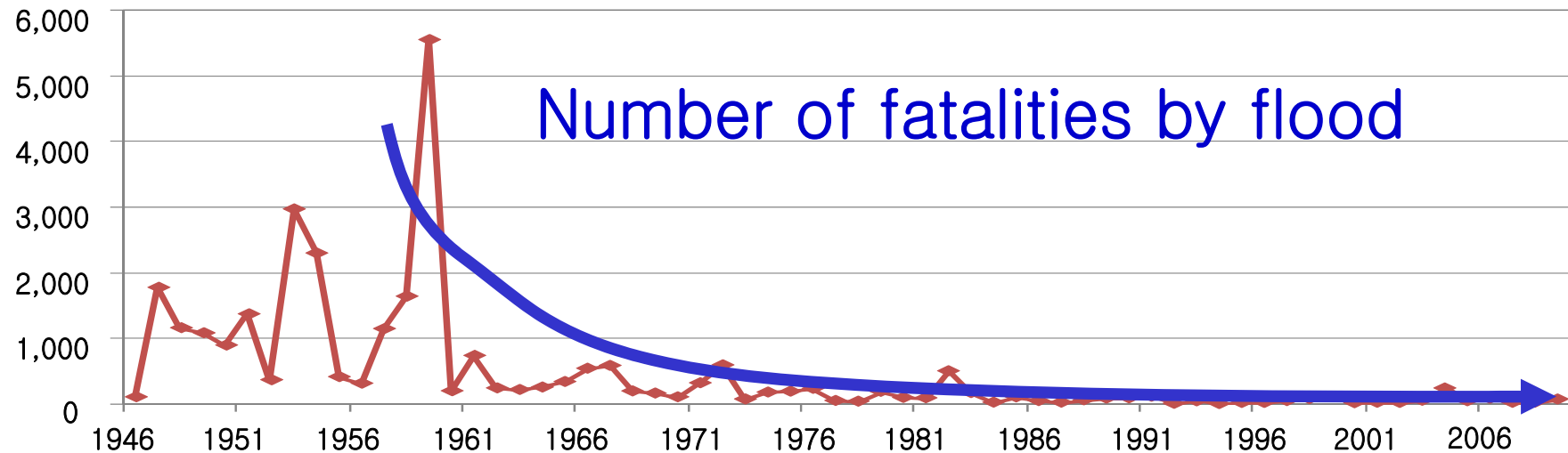
Up to 15th Century, Tone River crossed the Kanto Plain from north to south and flew into Tokyo Bay

From 1594 to 1654, Tone River was connected to Pacific Ocean by eastward channel

- After the flood in 1910, flood control measures in upper and middle reaches has changed from “flood control allowing inundation” to “sequential levees confinement”
- After this change, the maximum discharge in the Tone River Channel has increased, which became the main challenge of flood control in Tone River Basin



Reduction of **flood damages** in Japan by continuous investment

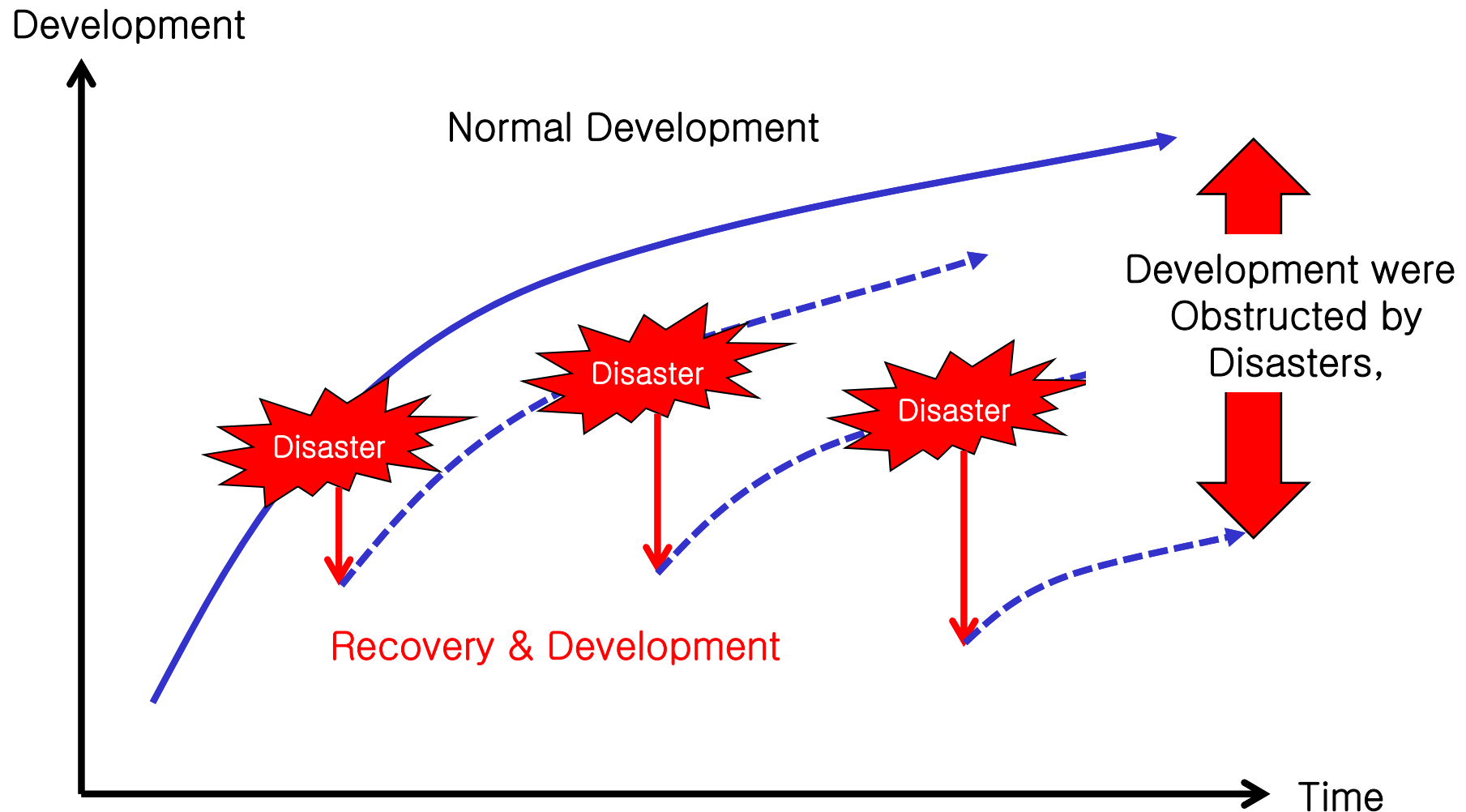


Number of fatalities and inundation area have dramatically been reduced in Japan due to continuous investment in and efforts for flood mitigation.

Source: Water Disaster Statistics, Ministry of Land, Infrastructure Transport and Tourism

How Japan conquered disaster

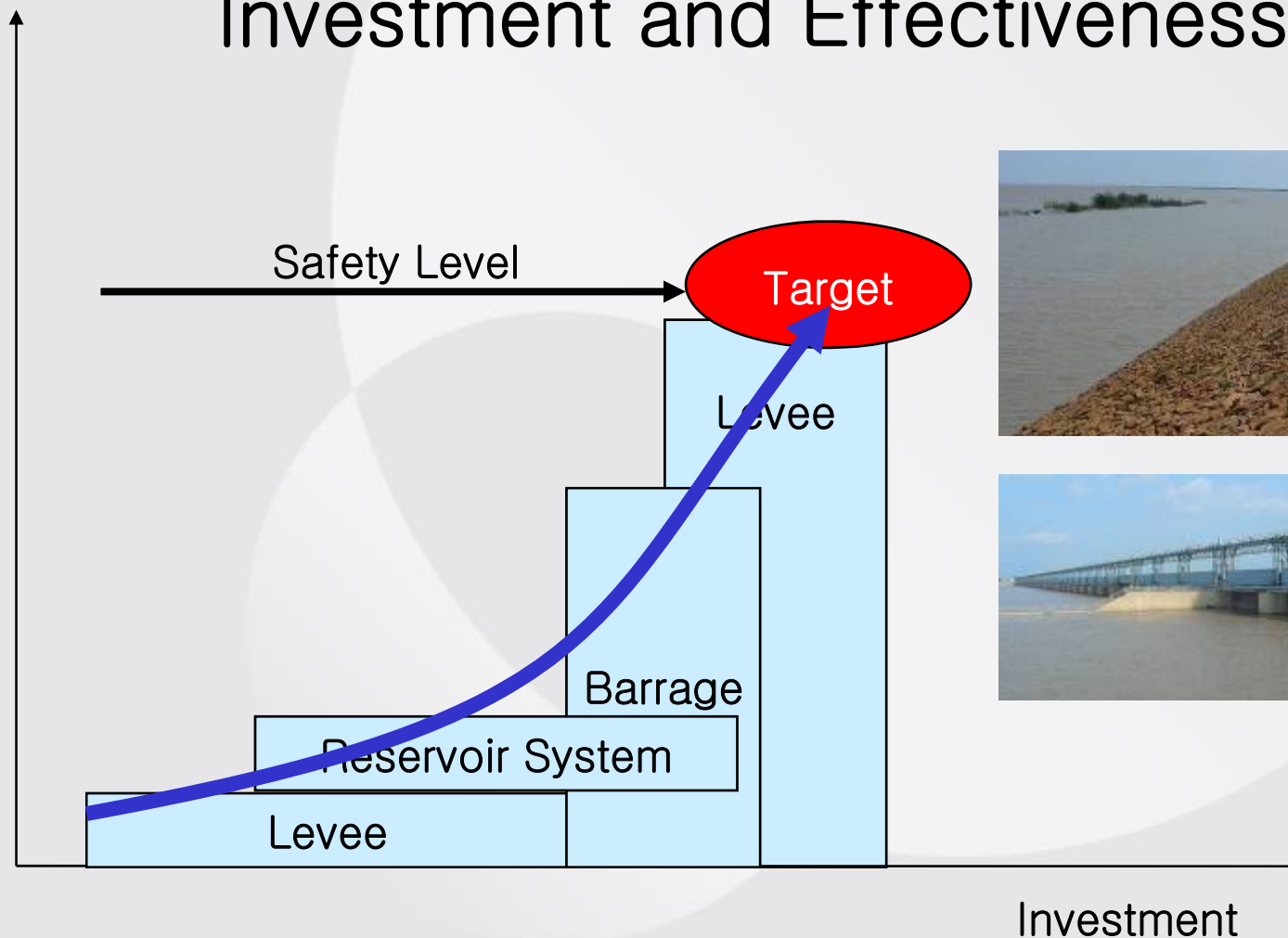
At least, Build-back-better



Combination of Structural Measures and Non-Structural Measures

Effectiveness

Investment and Effectiveness

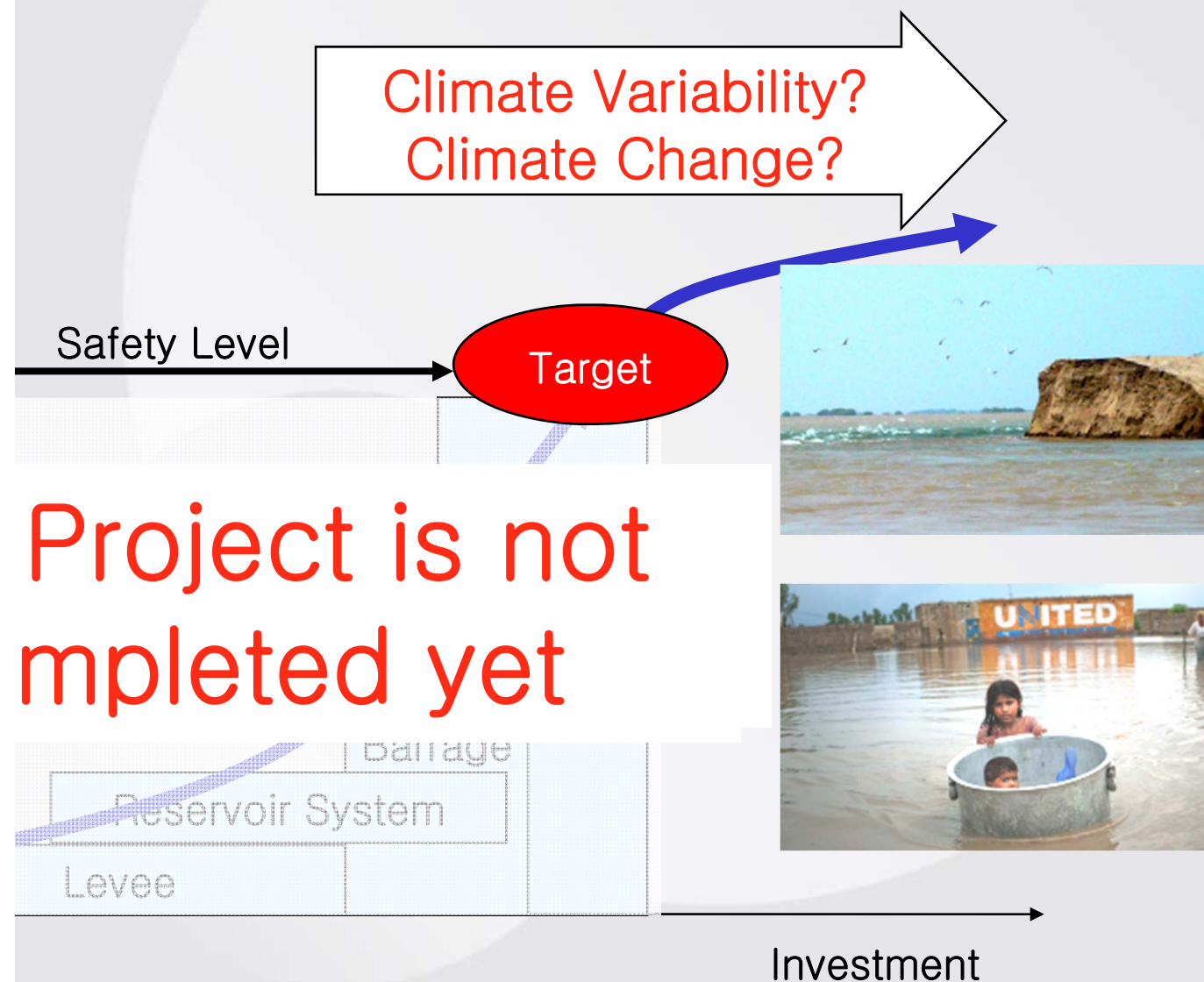


https://www.yunbaogao.cn/report/index/report?reportId=5_6648

预览已结束，完整报告链接和二维码如下：



Combination of Structural Measures and Non-Structural Measures



Project is not completed yet